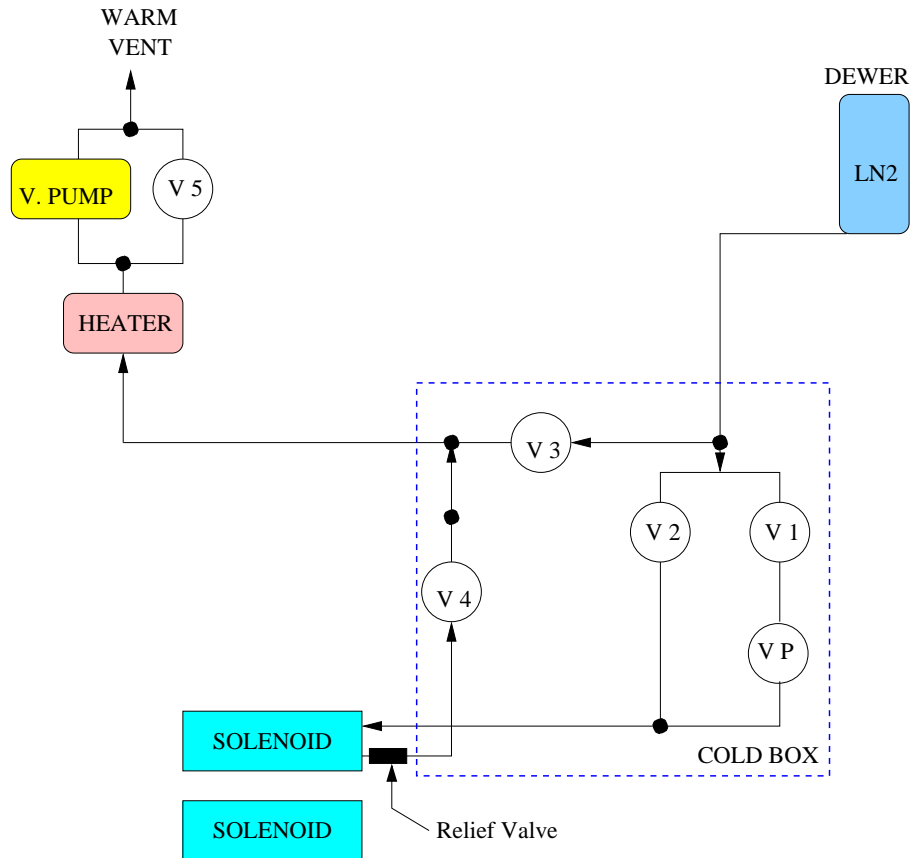


Cryogenic Flow Scheme



Valve	Operation Mode			
	Cool Down	Sub-cool	Pulse	Stand By
VP Proportional Valve	Open	Open	Closed	Closed
V1 Prop. Valve Shutoff	Open	Open	Open	Open
V2 Prop. Valve Bypass	Closed	Closed	Closed	Closed
V3 Solenoid Bypass	Closed	Closed	Closed	Open
V4 Solenoid Isolation	Open	Open	Open	Closed
V5 Vacuum Pump Bypass	Open	Closed	Open	Open